REASON

- **When PGS failures occur, the crew must be able to identify, troubleshoot, and correct the problem.**

TRAINING OBJECTIVE

- **Given an operational LAV-25 with PGS installed and aligned, you will demonstrate the following IAW TM 08594A-12&P:**

  - **Discuss troubleshooting procedures**
  - **Perform BIT initialization and discuss failure information**
  - **Conduct troubleshooting**

GENERAL PROCEDURES

- **Verify vehicle set-up**
- **Perform troubleshooting IAW TM 08594A-12&P, Chapters 3 and 4**
- **Verify all connections within PGS**
- **Verify all connections between PGS and LAV-25**
- **Check PGS for visible damage**
- **Replace components if needed**

SAFETY

- **No corrective action with vehicle MASTER SWITCH ON and turret power applied.**

WARNING

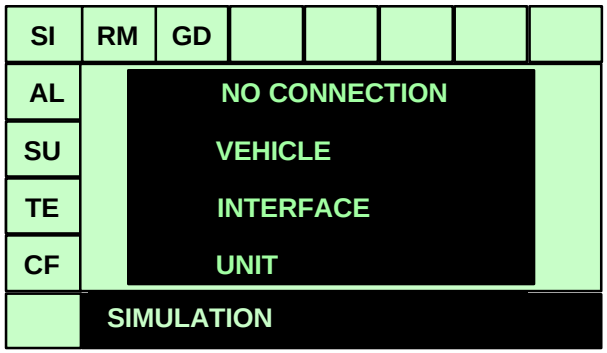
Perform all corrective action with vehicle MASTER SWITCH and turret power OFF. Damage could occur to PGS or vehicle or personnel could be injured if cables are connected or disconnected with vehicle MASTER SWITCH and turret power ON.

BIT INITIALIZATION

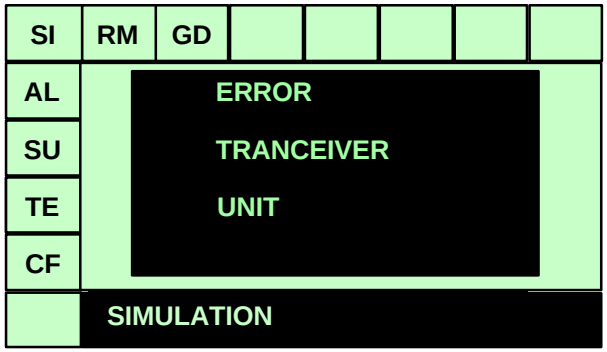
- **Automatic BIT at power up**
- **During simulation**
- **Manual initialization**

ERROR INFORMATION

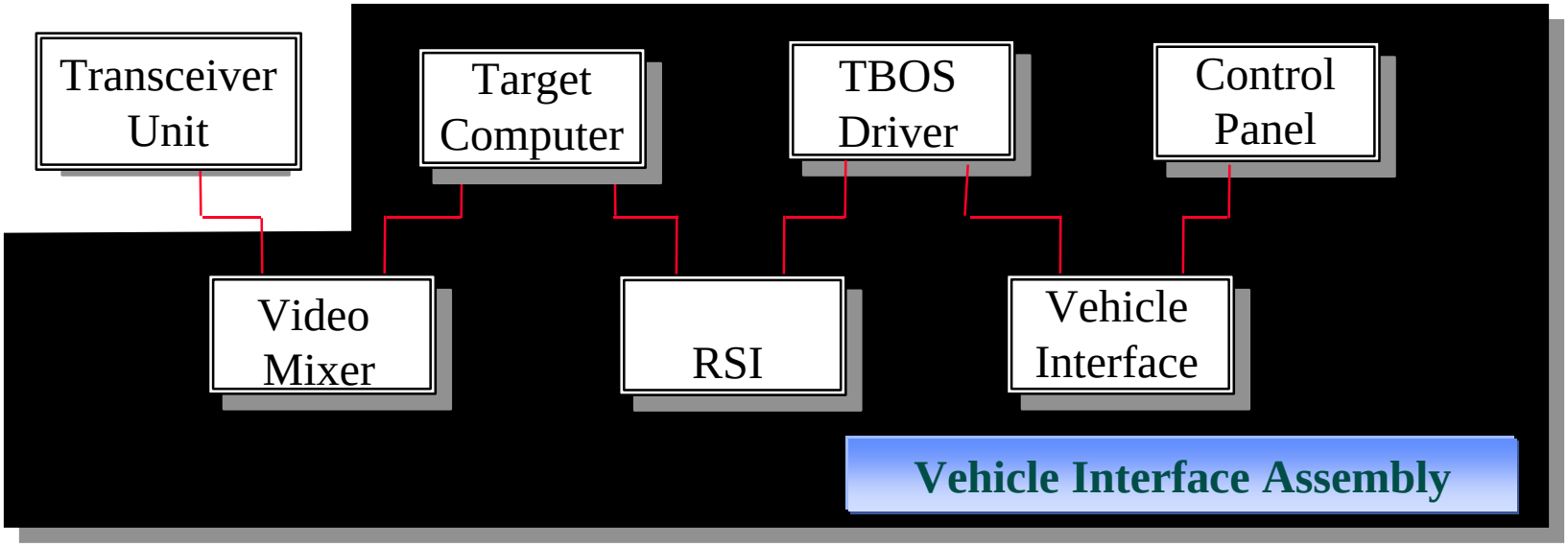
- **NO CONNECTION “X” UNIT**



- **ERROR “X” UNIT**



CAN
(CONTROLLER AREA NETWORK)



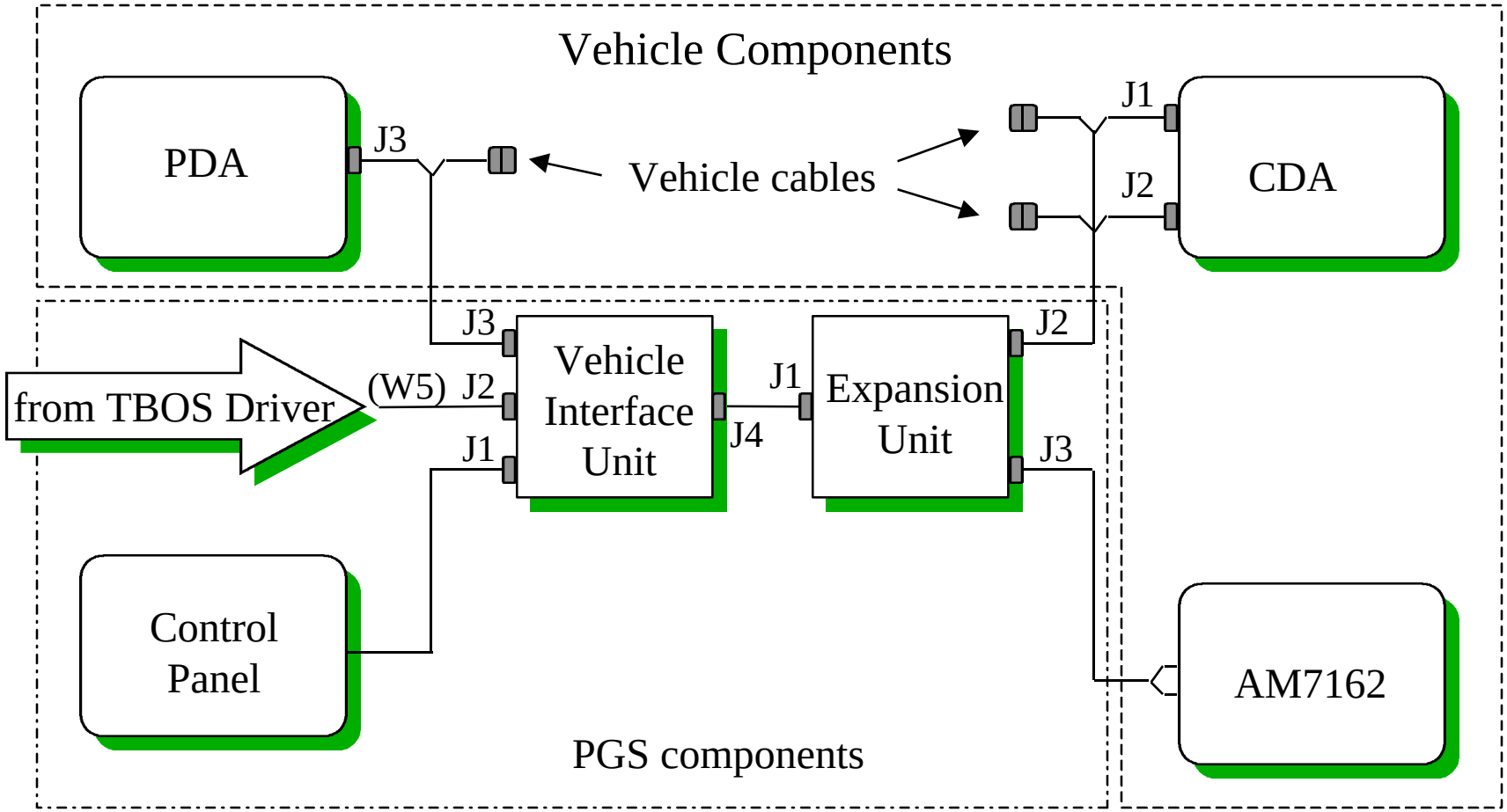
ERROR PRESENTATION

- **Intercom announcement**
- **Pop-up screen on control panel**
- **Error list**
- **TDRS memory card**

ERRORS NOT COVERED BY BIT

- **Transceiver unit output**
- **System accuracy**
- **Vehicle interface**

Vehicle Interface



LED INDICATIONS

- **Vehicle interface unit**
- **Target computer unit**
- **TBOS driver unit**
- **Remote system interface (RSI) unit**

<u>Notes</u>: **1. Blinking light indicates power applied OK.**

2. TBOS driver unit only indicates during simulation cycle of PGS.

SUMMARY

- **Troubleshooting procedures**
- **BIT initialization and failure information**
- **Practical troubleshooting**

CLOSING STATEMENT

- **This block of instruction has prepared you to understand troubleshooting procedures used with PGS.**